

IN THE CLAIMS:

The text of all pending claims are set forth below. Cancelled and withdrawn claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (previously amended), (cancelled), (withdrawn), (new), (previously added), (reinstated - formerly claim #), (previously reinstated), (re-presented - formerly dependent claim #) or, (previously re-presented).

Please AMEND the claims in accordance with the following:

1. (CURRENTLY AMENDED) An application managing method for a case where a plurality of applications are stored in a storage at locations of the storage, comprising:
 ~~forming~~ storing, in the storage, a directory structure corresponding to the plurality of applications;
 in the storage, giving items of identification information of the application addresses ~~directly~~ to predetermined directories of the directory structure, respectively, the ~~items of identification-application address~~ information being ~~used~~ for identifying the plurality of applications, respectively, where the plurality of applications are needed for corresponding to data files stored in the storage using the predetermined directories, respectively; and
 performing management so that when one of the data files is selected a needed an application of the plurality of applications corresponding to a-the data file of a directory of the predetermined directories is selected and executed in accordance with an item of the items of identification by referring to the selected data file's directory to obtain its application's address information and therewith access and execute the application at the storage location of the thus-obtained address information given to a-the directory, of the predetermined directories, ~~when~~ where the selection for execution is responsive to the data file of the directory of the predetermined directories is being selected,
 ~~wherein addresses of the plurality of applications are the items of identification information,~~ wherein one of the plurality of applications is needed when a-one of the data files is ~~executed~~ selected.
2. (CANCELED)

3. (CURRENTLY AMENDED) The application managing method, according to claim 1, further comprising:

preparing an application management table storing the ~~items of identification information of the application addresses~~ and starting addresses of the plurality of applications that correspond to the ~~items of identification information~~, respectively; and

referring to the application management table when a directory of the predetermined directories is selected, so as to recognize a starting address of an application of the plurality of applications, the starting address corresponding to an item of the ~~identification-application address~~ information given to the directory of the predetermined directories, and to access the application of the plurality of applications.

4. (PREVIOUSLY PRESENTED) The application managing method, according to claim 1, further comprising:

storing size information at a starting address of each application of the plurality of applications, the size information indicating a size of the application of the plurality of applications; and

repeating detection of the size of an application of the plurality of applications from the size information stored in the starting address of the application of the plurality of applications, and search for a starting address of a next application of the plurality of applications in accordance with the size of the preceding application of the plurality of applications, so as to obtain the starting address of a desired application of the plurality of applications.

5. (CURRENTLY AMENDED) The application managing method, according to claim 1, wherein an item of the ~~items of identification information~~ of the application addresses is given to the highest directory of the directory structure.

6. (CURRENTLY AMENDED) The application managing method, according to claim 1, wherein an item of the ~~items of identification information~~ of application addresses is given to each directory of the directory structure.

7. (CURRENTLY AMENDED) The application managing method, according to claim 1, wherein, when an application of the plurality of applications is substantially deleted, an item of the ~~items of identification information~~ of the application addresses for the application of the

plurality of applications is caused to be ineffective.

8. (CURRENTLY AMENDED) The application managing method, according to claim 1,

wherein when an application of the plurality of applications is updated, an application obtained from updating the application of the plurality of applications is added to the plurality of applications, and

wherein an item of the ~~items of identification~~ information of the application addresses for identifying the application of the plurality of applications is changed to an item of identification information for identifying the application obtained from updating the application of the plurality of applications.

9-11. (CANCELED)

12. (CURRENTLY AMENDED) An information processing apparatus, storing a plurality of applications at locations of a storage, comprising:

a directory structure in the storage corresponding to the plurality of applications,

wherein in the storage ~~items of identification~~ information of the application addresses are given directly to predetermined directories of the directory structure, respectively, the ~~items of identification~~ application address information being ~~used~~ for identifying the plurality of applications, respectively, where the plurality of applications are needed for corresponding to data files stored in the storage using the predetermined directories of the directory structure,

~~wherein addresses of the plurality of applications are the items of identification information,~~ wherein one of the plurality of applications is needed when a one of the data files is ~~executed~~ selected.

13. (CANCELED)

14. (CURRENTLY AMENDED) The information processing apparatus according to claim 12, further comprising:

an application management table that stores the ~~items of identification~~ information of the application addresses and ~~starting addresses of the plurality of applications, the plurality of applications corresponding to the items of identification information, respectively.~~

15. (CURRENTLY AMENDED) The information processing apparatus, according to claim 12, wherein an item of the ~~items of identification~~ information of the application addresses is given to the highest directory of the directory structure.

16. (CURRENTLY AMENDED) The information processing apparatus, according to claim 12, wherein an item of the ~~items of identification~~ information of the application addresses is given to each directory of the directory structure.

17. (CANCELED)

18. (CURRENTLY AMENDED) A method, comprising:
 ~~building~~ storing a file structure on an IC (integrated circuit) card, wherein each of a plurality of data files in the file structure corresponds respectively to one of a plurality of applications that are stored on the IC card;
 receiving a selection of one of the plurality of data files; and
 executing one of the plurality of applications, which corresponds to the one of the plurality of data files, based on one of a corresponding plurality of starting addresses that are stored directly with directory structures in the file structure by accessing a directory structure to obtain a starting address in response to the receiving the selection of the one of the plurality of files.

19. (NEW) A volatile or non-volatile computer-readable storage storing a file system, the file system comprising:

 two or more executable application files each stored at a different respective address in the storage;

 two or more hierarchical directory structures comprising hierarchically linked directory structure nodes;

 each hierarchical directory structure having directly-stored with one or more directory structure nodes thereof information of the address of an application with which the directory structure is associated; and

 each hierarchical directory structure storing one or more data files associated with the application whose address information is directly-stored with the hierarchical file directory

structure, where the hierarchical directory structures and the data files are separate and the data files are linked to the hierarchical directory structures, and where an application is associated with a directory because it is needed when a data file of the directory is selected.

20. (NEW) A storage and file system according to claim 19, wherein the application files are not stored in the hierarchical file directories.

21. (NEW) A method of using a storage and file system according claim 19, comprising:

accessing one of the data files and in response automatically checking directory structure nodes of the data file's hierarchical file directory to find the directory's directly-stored address and in further response using the so found address to execute an application at the found address.

22. (NEW) A method of using a storage and file system according claim 20, comprising:

accessing one of the data files and in response automatically checking directory structure nodes of the data file's hierarchical file directory to find the directory's directly-stored address and in further response using the so found address to execute an application at the found address.